

## CLAIMS

What is claimed is:

1. A method for network communication of sensor devices on a network comprising the steps of:
  - 5 connecting a sensor device to a first network;
  - connecting an aggregating device to the first network; and
  - transmitting sensor information from the sensor device to the aggregating device.
- 10 2. The method of Claim 1 wherein the sensor information is transmitted using the Session Initiation Protocol (SIP).
3. The method of Claim 2 wherein the sensor device is an SIP user agent.
- 15 4. The method of Claim 2 wherein the aggregating device is an SIP server.
5. The method of Claim 1 wherein the sensor device is a physiology sensor device.
- 20 6. The method of Claim 1 further comprising:
  - connecting a second sensor device to the first network; and
  - transmitting sensor information from the second sensor device to the aggregating device.
- 25 7. The method of Claim 6 wherein the sensor devices are heterogeneous.
8. The method of Claim 1 further comprising connecting the aggregating device to a second network.
- 30 9. A method for network communication of sensor devices on a network comprising the steps of:
  - connecting a sensor device to an aggregating device;

connecting the aggregating device to the network; and  
transmitting sensor information from the sensor device to the  
aggregating device.

- 5        10. The method of Claim 9 wherein the sensor information is transmitted using  
                the Session Initiation Protocol (SIP).
11. The method of Claim 10 wherein the sensor device is an SIP user agent.
- 10      12. The method of Claim 10 wherein the aggregating device is an SIP server.
13. The method of Claim 9 wherein the sensor device is a physiology sensor  
                device.
- 15      14. The method of Claim 9 further comprising:  
                connecting a second sensor device to the network; and  
                transmitting sensor information from the second sensor device to the  
                aggregating device.
- 20      15. The method of Claim 14 wherein the sensor devices are heterogeneous.
16. A system for network communication of sensor devices on a network  
                comprising:  
                an aggregating device connected to the network; and  
                means for connecting one or more sensor devices to the network such  
                that respective sensor information is transmitted from each sensor device to  
                the aggregating device.
- 25      17. The system of Claim 16 wherein the sensor information is transmitted using  
                the Session Initiation Protocol (SIP).
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18. The system of Claim 17 wherein each sensor device is a SIP user agents and the aggregating device is an SIP server.
19. The system of Claim 16 wherein at least one of the sensor devices is a physiology sensor device.  
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